

## PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 or Fax (571) 273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

33402 7590 11/01/2005

LAW OFFICES OF MARK C. PICKERING  
 P.O. BOX 300  
 PETALUMA, CA 94953

12/16/2005 BABRAHA2 00000048 10692393

01 FC:1501 1400.00 OP  
 02 FC:1504 300.00 OP  
 03 FC:8001 30.00 OP

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.



## Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

Robinson King 2005 (Depositor's name)  
 (Signature)  
 December 13, 2005 (Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/692,393	10/23/2003	Daniel J. Calanni	200-65900 (2003-00762)	8468

TITLE OF INVENTION: HEAT EXCHANGER WITH INCREASED HEAT TRANSFER EFFICIENCY AND A LOW-COST METHOD OF FORMING THE HEAT EXCHANGER

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$0	\$1400	02/01/2006
EXAMINER	ART UNIT	CLASS-SUBCLASS			
FLANIGAN, ALLEN J	3753	165-165000			

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,  
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

Mark C. Pickering  
 2  
 3

## 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

TELLABS PETALUMA, INC.

PETALUMA, CALIFORNIA

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

## 4a. The following fee(s) are enclosed:

- ☒ Issue Fee  
☒ Publication Fee (No small entity discount permitted)  
☒ Advance Order - # of Copies 10

## 4b. Payment of Fee(s):

- ☒ A check in the amount of the fee(s) is enclosed.  
☐ Payment by credit card. Form PTO-2038 is attached.  
☒ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 502305 (enclose an extra copy of this form).

## 5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent, or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature Mark C. Pickering  
 Typed or printed name Mark C. Pickering

Date December 13, 2005  
 Registration No. 36,239

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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PTO/SB/21 (08-03)

Approved for use through 07/31/06. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995 no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**TRANSMITTAL  
FORM***(to be used for all correspondence after initial filing)*

<b>Application Number</b>	10/692,393		
	<b>Filing Date</b>	October 23, 2003	
	<b>First Named Inventor</b>	Daniel J. Calanni, et al.	
	<b>Group Art Unit</b>	3753	
	<b>Examiner Name</b>	Allen J. Flanigan	
<b>Total Number of Pages in This Submission</b>	6	<b>Attorney Docket Number</b>	200-65901 (PB030026AF)

**ENCLOSURES (check all that apply)**

<input checked="" type="checkbox"/> Fee Transmittal Form (in duplicate)  <input checked="" type="checkbox"/> Fee Attached (check for \$1730)  <input type="checkbox"/> Amendment/Response  <input type="checkbox"/> After Final (Response)  <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Response to Missing Parts/ Incomplete Application  <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application)  <input type="checkbox"/> Drawing(s)  <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition  <input type="checkbox"/> Petition to Convert to a Provisional Application  <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Inquiry  <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):  <b>Return Receipt Postcard Certificate of Mailing Issue Fee Transmittal PTOL-85 (copy)</b>
<b>Remarks</b>		<b>Please charge any necessary fees or credit overpayment to Deposit Account No. 502305. A duplicate copy of this transmittal is attached for this purpose.</b>

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

<b>Firm or Individual name</b>	Mark C. Pickering, Reg. No. 36,239
<b>Signature</b>	
<b>Date</b>	December 13, 2005

**CERTIFICATE OF MAILING**

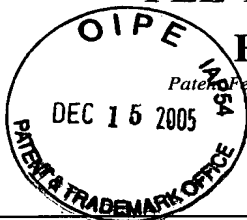
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Issue Fee, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date:			
			December 13, 2005
<b>Typed or printed name</b>	Robin L. King		
<b>Signature</b>		<b>Date</b>	December 13, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

# FEE TRANSMITTAL

For FY 2005

Patent fees are subject to annual revision.



TOTAL AMOUNT OF PAYMENT \$1730

## METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge any fees or credit any overpayment under 37 CFR 1.16 and 1.17 which may be required by this paper to Deposit Account No. 502305

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☐ Applicant claims small entity status. See 37 CFR 1.27.

2. ☒ Payment Enclosed:

☒ Check ☐ Money Order ☐ Other

## FEE CALCULATION

### 1. FILING FEE/SEARCH FEE/EXAMINATION FEE

LARGE ENTITY		SMALL ENTITY			
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1011/1111/1311	1000	2011/2111/2311	500	Utility	
1012/1112/1312	430	2012/2112/2312	215	Design	
1013/1113/1313	660	2013/2113/2313	330	Plant	
1014/1114/1314	1400	2014/2114/2314	700	Reissue	
1005	200	2005	100	Provisional	
SUBTOTAL (1)					0

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

		Extra Claims	Fee from below	Fee Paid
Total Claims	* - 20 **	= 0	x 50	= \$ 0
Independent	* - 3	= 0	x 200	= \$ 0
Multiple Dep.			*	= \$ 0

\*\* or number previously paid, if greater; for Reissues, see below:

Large Entity		Small Entity		
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
1202	50	2202	25	Claim in excess of 20
1201	200	2201	100	Independent claims in excess of 3
1203	360	2203	180	Multiple dependent claim, if not paid
1204	200	2204	100	** Reissue ind. claims over original patent
1205	50	2205	25	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) \$0

## SUBMITTED BY

Law Offices of Mark C. Pickering  
P.O. Box 300  
Petaluma, CA 94953-0300  
Telephone: (707) 762-5583  
Facsimile: (707) 762-5504  
Customer No. 33402

## Complete if Known

Application Number	10/692,393
Filing Date	October 23, 2003
First Named Inventor	Daniel J. Calanni, et al.
Examiner Name	Allen J. Flanigan
Group Art Unit	3753
Attorney Document No.	200-65901 (PB030026AF)

## FEE CALCULATION (continued)

Large Entity		Small Entity		
Fee Code	Fee	Fee Code	Fee	
1051	130	2051	65	Surcharge - late filing fee or oath
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet
1053	130	1053	130	Non-English specification
1812	2520	1812	2520	For filing a request for ex parte reexamination
1804	920	1804	920	Requesting publication of SIR prior to Examiner action
1805	1840	1805	1840	Requesting publication of SIR after Examiner action
1251	120	2251	60	Extension for reply within first month
1252	450	2252	225	Extension for reply within second month
1253	1020	2253	510	Extension for reply within third month
1254	1590	2254	795	Extension for reply within fourth month
1255	2160	2255	1080	Extension for reply within fifth month
1401	500	2401	250	Notice of Appeal
1402	500	2402	250	Filing a brief in support of an appeal
1403	1000	2403	500	Request for oral hearing
1451	1510	1451	1510	Petition to institute a public use proceeding
1452	500	2452	250	Petition to revive-unavoidable
1453	1500	2453	750	Petition to revive-unintentional
1501	1400	2501	700	Utility issue fee (or reissue)
1502	800	2502	400	Design issue fee
1503	1100	2503	550	Plant issue fee
1460	130	1460	130	Petitions to the Commissioner
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)
1806	180	1806	180	Submission of Information Disclosure Stmt
8021	40	8021	40	Recording each patent assignment per property (times number of properties)
1809	790	2809	395	Filing a submission after final rejection (37 CFR 1.129(a))
1810	790	2810	395	For each additional invention be examined (37 CFR 1.129(b))
1801	790	2801	395	Request for Continued Examination (RCE)
1504	300	1504	300	Publication fee
Other: 10 Soft Copies				30
*Reduced by Basic Filing Fee Paid				1730
SUBTOTAL (3)				300

Date: 12-13-05

By: Mark C. Pickering  
Mark C. Pickering, Reg. No. 36,239